

## ABSTRACT OF THE DISCLOSURE

An activating/processing apparatus for liquid fuel, including an enclosing/binding sleeve made of highly elastic and heat-resistant gum material. The enclosing/binding sleeve has a substantially annular cross-section having a split. The enclosing/binding sleeve defines a central interior holding space for a fuel pipeline to pass therethrough. The wall of the enclosing/binding sleeve is formed with several axial receiving 5 passages, whereby a far-infrared generating unit can be placed in each receiving passage. The liquid fuel pipeline can be highly elastically and easily held and bound in the holding space of the enclosing/binding sleeve. The enclosing/binding sleeve can be easily stretched for conveniently mounting the enclosing/binding 10 sleeve on the pipeline. The far-infrared generating units are evenly distributed and accommodated in the receiving passages of the enclosing/binding sleeve to evenly provide co-vibration effect for 15 the fuel in the pipeline.